

**REMARKS**

Favorable consideration and allowance of the claims of the present application are respectfully requested.

In the present Official Action, Claims 29-59, which are present in the above-captioned application have been subjected to the following three-way Species Restriction:

Species 1, drawn to a layered structure with a substrate having an upper surface of single crystalline silicon and a layer of silicon carbide with a Si/SiC interface having an abrupt change in carbon concentration;

Species 2, drawn to a layered structure with a substrate having an upper surface of single crystalline silicon and a layer of silicon germanium carbide with a Si/SiGeC interface having an abrupt change in carbon concentration; and

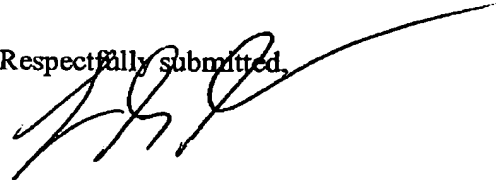
Species 3, drawn to a layered structure with a substrate having an upper surface of single crystalline silicon and a multitude of layers of materials selected from the group consisting of Si, SiGe, SiC and SiGeC over said upper surface, said Si/SiC, Si/SiGeC, SiGe/SiC and SiGe/SiGeC layered interfaces having an abrupt change in carbon concentration.

As indicated, and in order to be fully responsive to the species restriction imposed in the present Official Action, applicants provisionally elect, without traverse, to prosecute the subject matter of Species 1, and reserve their right to file one or more divisional applications directed to the non-elected species in this application, if the same can not be rejoined upon allowance of the present elected Species.

Applicants observe that Clams 29-41 read upon Species 1.

Wherefore, consideration and allowance of the claims of the present application are respectfully requested.

Respectfully submitted,



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